

## OAKLAND IMAGING DIAGNOSTIC CENTER

Oakland Medical Group Division  
27483 Dequindre Suite 101  
Madison Heights, Michigan 48071  
(248) 544-9050



August 13, 2014

United States Nuclear Regulatory Commission  
Region III, Materials Licensing Section  
2443 Warrenville Road, Ste 210  
Lisle, IL 60532-4352

**Re: Expediency Please.** Close-out location for license # 21-25929-01, Oakland Imaging Diagnostic Center - North, 3950 S. Rochester Rd., Suite 1200, Rochester Hills, MI site

1. A close-out survey was performed on 08/07/14 of our **Oakland Imaging Diagnostic Center – North, 3950 S. Rochester Rd., Suite 1200, Rochester Hills, MI** address and is enclosed for your review. We have also enclosed a map of all areas wipe tested. We are asking for expediency as construction crews are ready to begin work.
2. We did not dispose of radioactive materials by release to sewers or incineration. In addition, there were no spills or leaking sources of any long-lived radioactive material or on-site burials of radioactive materials. A leak test is enclosed for your viewing. All sealed sources were transported to our other site in Madison Heights.

Cordially,

A handwritten signature in black ink, appearing to read 'Harold Margolis', is written over a horizontal line.

Harold Margolis, D.O.  
OAKLAND IMAGING DIAGNOSTIC CENTER

RECEIVED AUG 18 2014



## Sealed Source Leak Test

Licensee: Oakland Imaging Diagnostic Center-North

Date: 05/30/14

Performed by: Laura Luna

Nuclide	Type	Calibration	Calibration	Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	198.1 uCi	12/01/05	Hot Lab	IPL	1140-51-15
		Current Activity: 162.8 uCi				
Ba-133	Vial	249.3	12/01/05	Hot Lab	IPL	1140-49-8
		Current Activity: 142.5				
Co-57	Flood	10 mCi	08/01/13	Hot Lab	PF24R05710M	1681-158
		Current Activity: 4.618 mCi				

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	$2.0 \times 10^{-4}$ uCi	145 counts/1 min
Ba-133	$8.8 \times 10^{-5}$ uCi	204 counts/1 min
Co-57	$1.7 \times 10^{-5}$ uCi	53 counts/1 min

**RADIATION SAFETY OFFICER:** \_\_\_\_\_

## Close-out Survey

Date Performed: 07/25/13

Performed By: Laura Luna, Physics Consultant

Wipe tests analyzed with a CRC-15W well counter. Efficiency for Co-57 is 81%. MDA is 95 dpm.

Survey performed with Eberline survey meter model E-520 with side window probe, S/N 4999, calibrated on 04/15/14 with a check source reading of 1.1 mR/hr. Range used was 0.01 mR/hr.

All sealed radioactive sources were transported to our office at 27483 Dequindre Road, Suite 101, Madison Heights, MI.. There is no history of any leaking sources.

### History of Radionuclides Used

Tc-99m was last used 07/10/14 and Tl-201 was last used 12/07. No other isotopes, except sealed sources: Cs-137, Ba-133 and Co-57, were used at this facility.

### Visual Check

The area was checked to ensure that all radioactive waste had been removed. No radioactive material was located.

### Radiation Level Survey

No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

## Removable Contamination

1 minute counts of a wipe sample covering at least a 100 square centimeter area

Background count: 189 cpm

Area	Result	Area	Result
1	4 dpm	23	84 dpm
2	4	24	84
3	4	25	84
4	4	26	44
5	4	27	44
6	0	28	44
7	0	29	44
8	0	30	44
9	0	31	72
10	0	32	72
11	58	33	72
12	58	34	72
13	58	35	72
14	58	36	96
15	58	37	96
16	40	38	96
17	40	39	96
18	40	40	96
19	40	41	50
20	40	42	50
21	84	43	50
22	84	44	50

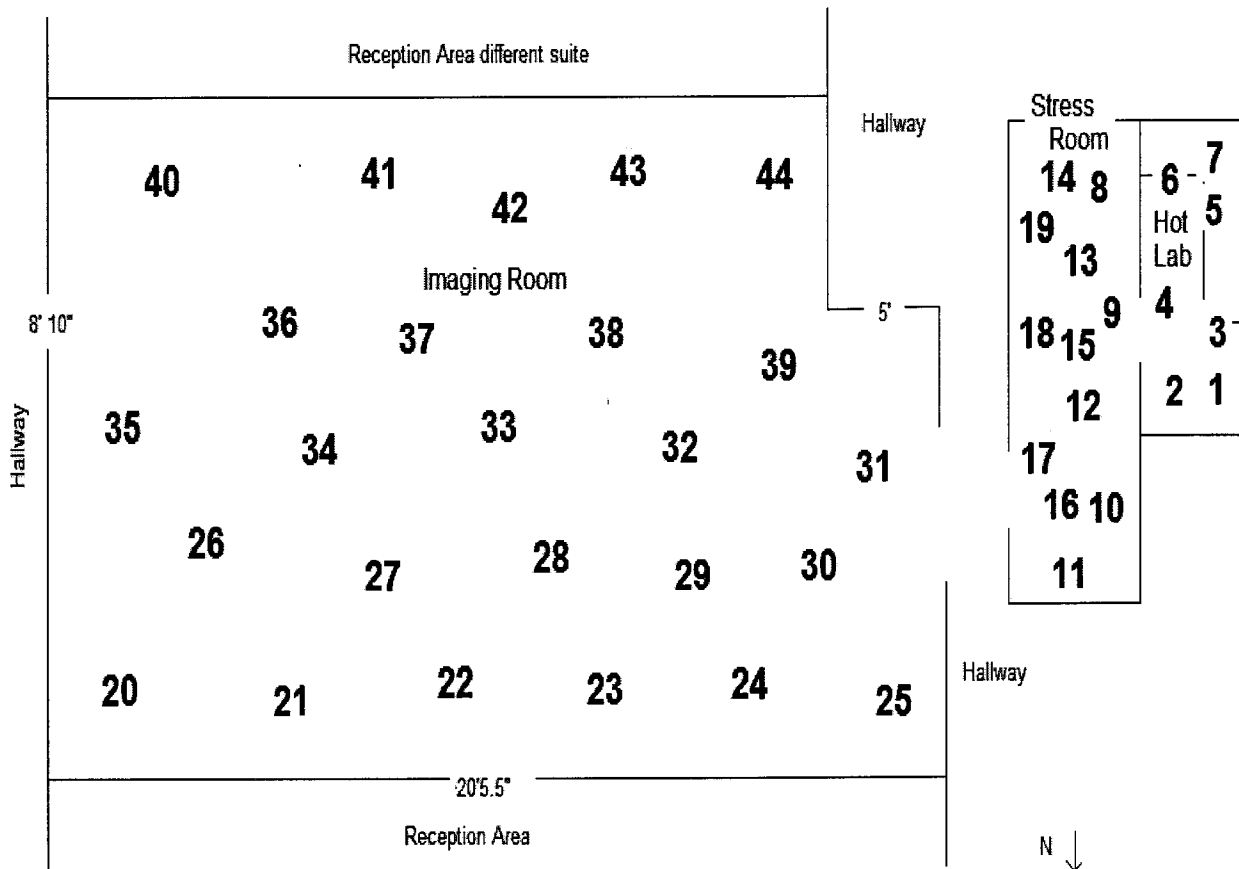
**Maximum removable contamination: 96 net dpm/100 cm<sup>2</sup>**

## Conclusion

As of August 7, 2014 all radioactive materials were removed from the site and no removable contamination was present.

**Oakland Imaging Diagnostic Center - North**  
**3950 S. Rochester Road, Suite 101**  
**Rochester Hills, MI**

**Oakland Imaging Diagnostic Center - North, 3950 S. Rochester Rd., Ste. 1200**



**FedEx** Package  
Express US Airbill

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FedEx  
Tracking  
Number

8020 3530 7962

**1 From**

Date 8/1/14

Sender's Name PAT CIOTTI

Phone 248 544-9050

Company OAKLAND IMAGING DIAG CENTER

Address 27483 DEQUINDRE RD STE 101

Dept./Floor/Suite/Room

City MADISON HEIGHTS

State MI

ZIP 48071-5700

**2 Your Internal Billing Reference**

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Recipient's Name

Company

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State IL

ZIP

0101229904



8020 3530 7962

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**2 or 3 Business Days**

- ☐ FedEx 2Day A.M.  
Second business morning.\* Saturday Delivery NOT available.
- ☐ FedEx 2Day  
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\* Declared value limit \$500.

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- ☐ Yes  
Shipper's Declaration not required.

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- ☐ Cargo Aircraft Only

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Total Packages Total Weight

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